

AI Cheat Codes Explained

AI prompt engineering is rapidly evolving, with new techniques and "cheat codes" emerging regularly. These methods aim to guide AI models, especially Large Language Models (LLMs), to produce more accurate, relevant, and desired outputs.

Here's a breakdown of common AI prompt "cheat codes" or techniques, their scope, general syntax, and examples. Keep in mind that the exact syntax can vary slightly between different AI models (e.g., ChatGPT, Gemini, Claude).

General Principles of Effective Prompting:

Before diving into specific techniques, remember these core principles:

- **Clarity and Specificity:** Be precise about what you want. Avoid vague language.
- **Context:** Provide relevant background information for the AI to understand the scenario.
- **Desired Format:** Specify the output format (e.g., bullet points, essay, code, table).
- **Tone and Style:** Indicate the desired tone (e.g., formal, casual, academic, witty).
- **Length:** Specify the desired length (e.g., 200 words, 3 paragraphs).
- **Role-Playing:** Assign a persona to the AI to guide its responses.
- **Iterative Refinement:** If the first attempt isn't perfect, refine your prompt based on the AI's output.

AI Prompt Cheat Codes/Techniques

1. Zero-Shot Prompting

- **Scope:** Asking the AI to perform a task without providing any examples. Relies on the AI's pre-trained knowledge.
- **Syntax:** Direct instruction or question.
- **Example:**
 - **Prompt:** "Classify the sentiment of the following text as positive, negative, or neutral: 'The new movie was absolutely fantastic!'"
 - **Output (Expected):** "Positive"

2. Few-Shot Prompting

- **Scope:** Providing a small number of examples (input-output pairs) to guide the AI's understanding of the desired task, format, or style.
- **Syntax:** [Example 1 Input] -> [Example 1 Output] [Example 2 Input] -> [Example 2 Output] ... [Your new Input] ->
- **Example:**
 - **Prompt:** "Translate the following English sentences to French: Hello -> Bonjour Goodbye -> Au revoir Thank you -> Merci Please -> "
 - **Output (Expected):** "S'il vous plaît"

3. Chain-of-Thought (CoT) Prompting

- **Scope:** Encourages the AI to break down complex problems into intermediate, logical steps, mimicking human reasoning. Improves accuracy for multi-step reasoning tasks.
- **Syntax:** Often includes phrases like "Let's think step by step," "Break this down," or explicitly asking for reasoning.
- **Example:**
 - **Prompt:** "A baker made 100 cookies. He sold 60% of them in the morning and 25% of the remaining cookies in the afternoon. How many cookies did he have left at the end of the day? Let's think step by step."
 - **Output (Expected to show reasoning):** "Step 1: Calculate cookies sold in the morning. 60% of 100 = 60 cookies. Step 2: Calculate remaining cookies after morning sales. 100 - 60 = 40 cookies. Step 3: Calculate cookies sold in the afternoon. 25% of 40 = 10 cookies. Step 4: Calculate cookies left at the end of the day. 40 - 10 = 30 cookies. Answer: The baker had 30 cookies left."

4. Role-Playing / Persona Prompting

- **Scope:** Instructing the AI to adopt a specific persona or role, influencing its tone, style, and content of the response.
- **Syntax:** "Act as a [role]," "You are a [persona]," "Assume the role of a [role]."
- **Example:**
 - **Prompt:** "Act as a seasoned travel blogger. Write a vivid paragraph describing the experience of hiking in the Himalayas during monsoon season."
 - **Output (Expected to be descriptive and engaging, from a travel blogger's perspective):** "The air hung thick with moisture, heavy with the scent of damp earth and blooming rhododendrons. Each step on the slippery, moss-covered trails of the Himalayas was a dance with gravity, but the reward was immense. Mists swirled like ethereal spirits, revealing fleeting glimpses of emerald valleys and cascading waterfalls, their roar muted by the rhythmic patter of rain..."

5. Output Formatting (Specific Formats)

- **Scope:** Explicitly telling the AI how to format its response (e.g., bullet points, tables, JSON, markdown).
- **Syntax:** "Format as [format]," "Provide a [format] of..."
- **Example:**
 - **Prompt:** "List five benefits of exercise in bullet points."
 - **Output (Expected):**

```
* Improved cardiovascular health
  ■ Increased strength and endurance
  ■ Better mood and reduced stress
  ■ Enhanced cognitive function
  ■ Weight management"
```

6. ELI5 (Explain Like I'm 5)

- **Scope:** Requesting a simplified, easy-to-understand explanation of a complex topic, often for a non-technical audience.
- **Syntax:** "ELI5: [topic]," "Explain [topic] like I'm 5."
- **Example:**
 - **Prompt:** "ELI5: How does the internet work?"
 - **Output (Expected to be very simple):** "Imagine a giant spiderweb connecting all the computers in the world. When you send a message, it zips along these invisible threads, like tiny postmen carrying your words to the right computer, super fast!"

7. TL;DR (Too Long; Didn't Read)

- **Scope:** Requesting a concise summary of a longer text.
- **Syntax:** "TL;DR: [text]," "Summarize the following text briefly:"
- **Example:**
 - **Prompt:** "TL;DR: The highly anticipated new smartphone, the 'Nova X,' was officially unveiled today. It features a revolutionary triple-lens camera system, a stunning 6.7-inch OLED display, and a powerful new processor that promises unparalleled performance. Pre-orders begin next week, with general availability expected in early September."
 - **Output (Expected):** "The new Nova X smartphone was revealed today with a triple camera, OLED screen, and powerful processor. Pre-orders start next week, available in September."

8. Step-by-Step Instructions

- **Scope:** Asking the AI to break down a process into discrete, actionable steps.
- **Syntax:** "Provide step-by-step instructions for [task]," "How to [task] in steps."

- **Example:**
 - **Prompt:** "Provide step-by-step instructions for brewing a perfect cup of coffee using a French press."
 - **Output (Expected with numbered steps):** "1. Heat water to 200°F (93°C). 2. Grind coffee beans coarsely. 3. Add coffee grounds to French press. 4. Pour hot water over grounds, saturating them. 5. Stir gently and steep for 4 minutes. 6. Slowly press down the plunger. 7. Pour and enjoy!"

9. Decision Tree

- **Scope:** Guiding the AI to outline a decision-making process, often with branching options based on conditions.
- **Syntax:** "Create a decision tree for [scenario]," "Help me make a decision about [choice] by outlining options."
- **Example:**
 - **Prompt:** "Create a simple decision tree for choosing a pet, starting with allergies."
 - **Output (Expected to show conditional logic):** "Start: Choose a Pet
 - Do you have allergies?
 - Yes:
 - Consider hypoallergenic pets (e.g., certain dog breeds, fish, reptiles).
 - Do you want an interactive pet?
 - Yes: Look into Poodles, Bichon Frises.
 - No: Consider fish, turtles.
 - No:
 - Consider a wider range of pets.
 - Do you have a lot of space?
 - Yes: Dogs, larger cats.
 - No: Smaller cats, hamsters, birds."

10. Diagram (Conceptual Request)

- **Scope:** Asking the AI to describe or outline a visual aid like a diagram, flowchart, or mind map, even if it can't *draw* it directly.
- **Syntax:** "Describe a diagram for [concept]," "Outline a flowchart for [process]."
- **Example:**
 - **Prompt:** "Describe a mind map for brainstorming a new mobile app idea. What main branches would it have?"
 - **Output (Expected to outline branches):** "A mind map for a new mobile app idea would have 'New Mobile App Idea' at its center. Main branches could include:
 - **Core Functionality:** What does it *do*?
 - **Target Audience:** Who is it for?
 - **Monetization Strategy:** How will it make money?
 - **Key Features:** Specific functionalities.

- **Technology Stack:** What tools will be used?
- **Marketing & Launch:** How will it be promoted?"

11. Self-Critique Prompting

- **Scope:** Asking the AI to review its own output for improvements, biases, or adherence to specific criteria.
- **Syntax:** "Review your previous response and [criterion]," "Critique your answer based on [feedback]."
- **Example:**
 - **Prompt (following a previous generated text):** "Review the previous paragraph for any clichés and suggest alternative phrasing."
 - **Output (Expected to analyze and suggest changes to its own prior output).**

12. Context Expansion / "5 Ws and How"

- **Scope:** Prompting the AI to provide more information or multiple angles on a topic by addressing who, what, where, when, why, and how.
- **Syntax:** "Explain [topic] using the 5 Ws and How," or simply by asking those questions sequentially.
- **Example:**
 - **Prompt:** "Tell me about the discovery of penicillin, covering the who, what, where, when, why, and how."

13. Constraint Prompting

- **Scope:** Imposing specific limitations or requirements on the AI's output, such as word count, specific vocabulary to use/avoid, or stylistic rules.
- **Syntax:** "Ensure the response is under [word count]," "Do not use the word [word]," "Write in the style of [author/genre]."
- **Example:**
 - **Prompt:** "Write a short poem about a summer day, strictly using only positive adjectives and keeping it to four lines."

14. Iterative Refinement

- **Scope:** A process, not a single "code," where you continually refine your prompt based on the AI's responses until you achieve the desired output.
- **Syntax:** This involves a series of prompts, each building on the last.
- **Example (Dialogue-based):**

- **User:** "Write a short story about a dragon."
- **AI:** (Generates a generic dragon story)
- **User:** "Make the dragon friendly and living in a modern city."
- **AI:** (Revises story with a friendly, urban dragon)
- **User:** "Now, add a plot point where the dragon helps a struggling artist."

These "cheat codes" are powerful tools for prompt engineering, allowing users to unlock the full potential of AI models for a wide range of tasks. The key is to experiment and combine these techniques to achieve the most precise and effective results.

#AIPromptEngineering
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 #AICheatCodes
 #AIProductivity
 #AIWorkflows
 #ChatGPTPrompts
 #GenerativeAI
 #AIContentCreation
 #LanguageModels
 #AIInBusiness
 #ZeroShotPrompting
 #FewShotPrompting
 #ChainOfThought
 #RoleplayPrompting
 #ExplainLikeImFive (#ELI5)
 #TLDR
 #DecisionTreeThinking
 #OutputFormatting
 #PromptDesign
 #ContextualAI
 #LinkedInAI
 #AIEducation
 #AIForEveryone
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1. Telephonic General Consultancy and Knowledge Sharing : Free
2. First Day Consultancy Charge 4-5 hrs : ₹5,000/- and Travelling (from and to Kolkata).
3. If Travelling is more than (4×2) 8 hrs then extra ₹3,000/- to be added per day of Travelling.
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7. Other service charges will be case to case basis.